

CUSTOMER NO.: 24498

Serial No. 19/087,002

Reply to First Office Action dated: 07/03/06

Response dated: 09/26/06

**PATENT
PU020019**

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Amendments to the Claims

Please amend claims 1-2 and 10-11 as follows:

1. (Currently Amended) A method for audio content playback during video trick mode playback, comprising:

reading a coded digital data from a storage medium, said coded digital data comprising a video programming and corresponding audio programming;

decoding from a portion of said digital data comprising said audio programming a plurality of digital audio samples corresponding to a selected portion of the video programming; ~~and~~

repeating or dropping selected ones of said digital audio samples at a rate corresponding to a selected trick mode video playback speed of said video programming; and

key shifting a playback audio pitch associated with said audio samples to compensate for said trick mode playback.

2. (Currently Amended) The method according to claim 1, further comprising ~~dropping selected ones of said audio samples at a rate approximately corresponding to a selected trick mode video playback speed of said video programming; and~~

generating an audio playback signal corresponding only to a remaining set of said audio samples.

3. (Original) The method according to claim 2, wherein said audio samples are dropped at a rate of every n samples, where n is equal to the selected trick mode playback speed relative to a normal playback speed.

4. (Original) The method according to claim 3, wherein said key shifting step further comprises shifting said playback audio pitch by a factor of approximately $1/n$.

5. (Original) The method according to claim 1, further comprising repeating selected ones of said audio samples at a rate inversely proportional to a selected trick mode video playback speed of said video programming to produce a trick mode set of audio samples; and

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generating an audio playback signal (217) corresponding to said trick mode set of said audio samples.

6. (Original) The method according to claim 5, wherein said audio samples are repeated $1/n$ times, where n is equal to the selected trick mode playback speed relative to a normal playback speed.

7. (Original) The method according to claim 6, wherein said key shifting step further comprises shifting said playback audio pitch by a multiplying factor of approximately $1/n$.

8. (Original) The method according to claim 1 wherein said storage medium (102) is selected from a group consisting of a DVD, a magnetic hard disk, magneto optical disk and a video CD.

9. (Original) The method according to claim 1, wherein said coded digital data is an MPEG format and said reading step further comprises decoding (215) an MPEG bit stream to obtain said audio samples.

10. (Currently Amended) Apparatus for audio signal playback during ~~fast forward~~ playback video trick mode playback modes, comprising:

a storage medium reader for reading a coded digital data from a storage medium, said coded digital data comprising a video signal and a corresponding audio signal;

a decoder for decoding from a portion of said digital data comprising said audio signal a plurality of digital audio samples corresponding to a selected portion of the video signal [[;]] and for repeating or dropping selected ones of said digital audio samples at a rate corresponding to a selected trick mode video playback speed of said video presentation; and

an audio processor for key shifting a playback audio pitch associated with said audio samples to compensate for said ~~fast forward~~ trick mode playback mode.

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11. (Currently Amended) The apparatus according to claim 10, further comprising
~~wherein said decoder drops selected ones of said audio samples at a rate~~
~~approximately corresponding to a selected trick mode video playback speed of said~~
~~video signal; and~~

a digital to analog converter generating an audio playback signal
corresponding only to a remaining set of said audio samples.

12. (Original) The apparatus according to claim 11, wherein said audio samples are
dropped at a rate of every n samples, where n is equal to the selected trick mode
playback speed relative to a normal playback speed.

13. (Original) The apparatus according to claim 12 wherein said audio processor
shifts said playback audio pitch by a factor of approximately $1/n$.

14. (Original) The apparatus according to claim 10, wherein said decoder repeats
selected ones of said audio samples at a rate inversely proportional to a selected
trick mode video playback speed of said video presentation to produce a trick mode
set of audio samples; and

a digital to analog converter generating an audio playback signal
corresponding to said trick mode set of said audio samples.

15. (Original) The apparatus according to claim 14 wherein said audio samples are
repeated $1/n$ times, where n is equal to the selected trick mode playback speed
relative to a normal playback speed.

16. (Original) The apparatus according to claim 15 wherein said audio processor
shifts said playback audio pitch by a multiplying factor of approximately $1/n$.

17. (Original) The apparatus according to claim 10 wherein said storage medium is
selected from the group consisting of a DVD, a magnetic hard disk, magneto optical
and a video CD.

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18. (Original) The apparatus according to claim 10 wherein said coded digital data is arranged in an MPEG format and said storage medium reader decodes an MPEG bit stream to obtain said audio samples.